Agricultural Water Supply and Demand

Topics that Need to be Part of the Conversation

- Conjunctive use and groundwater banking
- Groundwater usage
- Groundwater monitoring – quantity and quality
- Surface and groundwater connections
- Better management, new storage and new supplies to address increased population and decreased snowpack
- Identify system of current water rights
- Water transfers – long-term and temporary
- Water marketing
- Privatization of water
- New sources: recycled water, grey water, stormwater
- Regional specificity
- Irrigation efficiency – look to other efforts (e.g. Australia)
- Valuing ecosystem services – farmland as habitat/preservation
- Assessment of ag land productivity/retirement
- Climate change aspects
    - Impact on infrastructure (e.g. levees)
    - Storage needs (flashier floods, decreased snowpack) – above and below ground
    - Potential impacts on cropping patterns
- Water management has changed hydrology in stream – summer flows
    - Coordination with other planning efforts, including BDCP – where will water come from to create BDCP habitat? (domino effect from north to south)

Deliverables

- New storage – surface and below ground
- Improved conveyance to balance California water supply
    - Institutional/operational aspects of conveyance
- Flexibility in environmental regulations and requirements
- Ag interests should be represented in urban forums (like USBR firm-allocation process)

Who Needs to be Involved

- Academia– technical irrigation management (Zoldoski, Charles Berg, Kenessa)
- Tribes
- Water Agencies
- Irrigation Suppliers